ABSTRACT

Since an ink (2) contains a hydrophobic colloid which will be charged with a positive zeta potential when the pH of the ink (2) is within a range of over 4 and under 6, it is possible to limit silicon or silicon compound from being eluted into the ink (2) from a circuit board (44) formed from a silicon wafer or the like. Thus, it is possible to prevent the silicon or silicon compound, if eluted into the ink (2), from being deposited on a resistance heater (48) and causing "cogation", or to prevent the silicon or silicon compound from being deposited in an ink channel (42) and nozzle (45a) to clog the nozzle. Therefore, the ink (2) will not cause any non-spraying of the ink.